

JAEGER Electric Pumps

1 1/2" to 10" Sure Prime Centrifugals

**Sure-Prime Caisson Pumps
for Deep Shafts**



1 1/2" ELECTRIC "Bantam"

Jaeger Models 1 1/2 PE and 1 1/2 PE-I

A Pump that operates from any handy light socket

Equipped with 3/4 or 1 hp splash-proof motor, this extremely compact "Bantam" can be plugged in anywhere, primes itself quickly and automatically with Jaeger's famous double "Sure Prime" action and easily pumps 65 gallons per minute at 10 ft. lift. The 1 hp motor is recommended where pump is to work at more than 20 to 25 ft. heads. (See Performance Curve below). Unit is semi-steel, solidly bolted to steel base and equipped with handle for "carry around" service.

specifications

Model	Suction and Discharge	Motor HP	Motor RPM	Weight Lbs.
1 1/2 PE	1 1/2"	3/4	1750	135
1 1/2 PE-I	1 1/2"	1	3450	140

For complete dimensions, see page 35



Model 1 1/2 PE

2" ELECTRIC PUMPS

Jaeger Models 2XPE, 2PE and 2XPE-5

Close-coupled small pumps, for both portable and stationary operation. Widely used for pier holes, tunnels and trench work and also ideal for supplying tippie tanks, storage tanks and construction camps where Jaeger's doubly-sure priming plus special automatic start-and-stop controls are a big advantage. Pumps are solidly mounted with motors. Anti-friction motor bearings carry the shaft, equipped with Jaeger Lubri-Seal. Replaceable liners for long life.

Model 2XPE, with 1 1/2 hp motor, provides a readily portable unit for smaller work. Model 2PE, with 3 hp motor, is a larger, heavy duty pump for bigger volume or use on permanent installations.

Model 2XPE-5, with 5 hp motor, is especially designed for high head dewatering or supply service. See Performance Curve at right.

Any type motor, including explosion-proof, can be furnished. Current characteristics and full details of job condition should be supplied for quotation.

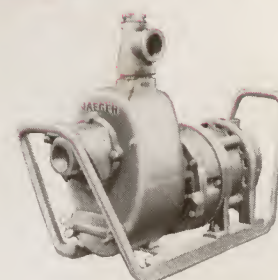
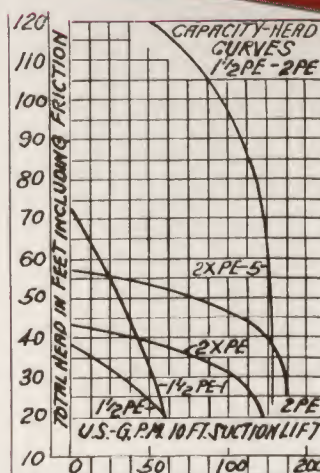
specifications

Model	Suction and Discharge	Motor HP	Motor RPM	Weight Lbs.
2XPE	2"	1 1/2	1750	200
2XPE-5	2"	5	3450	235
2PE	2"	3	1750	275

For complete dimensions, see page 34



Model 2PE



Model 2XPE can be furnished with this special portable mounting.

3" and 4" ELECTRIC PUMPS

Jaeger Models 3XPE, 3PE, 3P2E, 4XPE and 4PE

Electric drive offers advantages on many jobs

In addition to underground or confined work, there are many jobs of continuous pumping best served by Jaeger stationary electric powered "Sure Prime" Pumps, which can be equipped with start-and-stop controls for fully automatic operation where desired. Tunnels, shafts, pier holes and trenches, oil transfer pumping, and well points and quarry ledge work for larger units, are typical dewatering uses.

These units embody all features and advantages of Jaeger gasoline and diesel powered units — semi-steel or bronze construction, fast doubly-sure priming by two independent but simultaneous priming actions, replaceable liners, long-life Lubri-Seal.

Special slot, by which shaft can be held while unscrewing impeller, is a valuable feature in all close coupled Jaeger pumps. No need for hard hammering, pipe wrenches or jamming the rotor, as on other pumps.

Model 3XPE, with 3 hp motor is suitable for low head pumping (250 gpm at 20 ft. head). Model 3PE with 7½ hp motor, and Model 3P2E with 10 hp, are heavy duty units for larger capacity and higher heads (225 gpm at 80 ft. head with Model 3P2E).

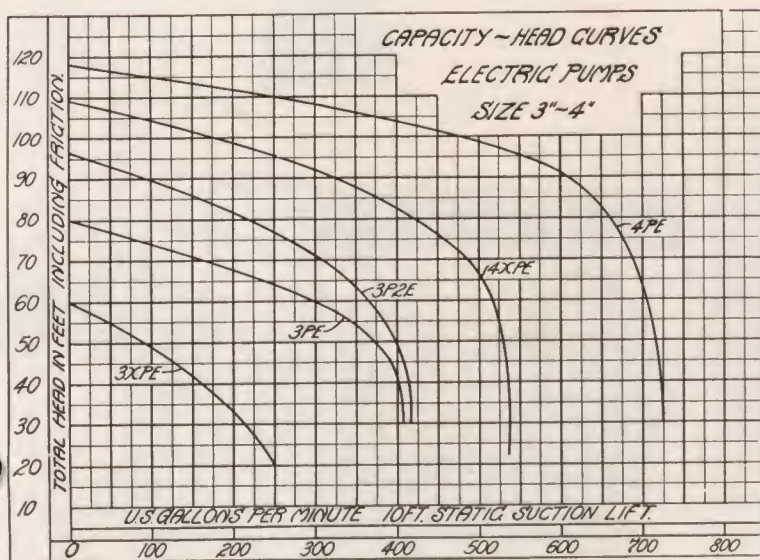
Model 4XPE, with 15 hp motor, has capacity up to 540 gpm on low head work.

Model 4PE, heavy duty pump of exceptional performance with 20 hp motor, has capacity of 725 gpm at 30 ft. head and 475 gpm at 100 ft. head. See Performance Curve below.

specifications

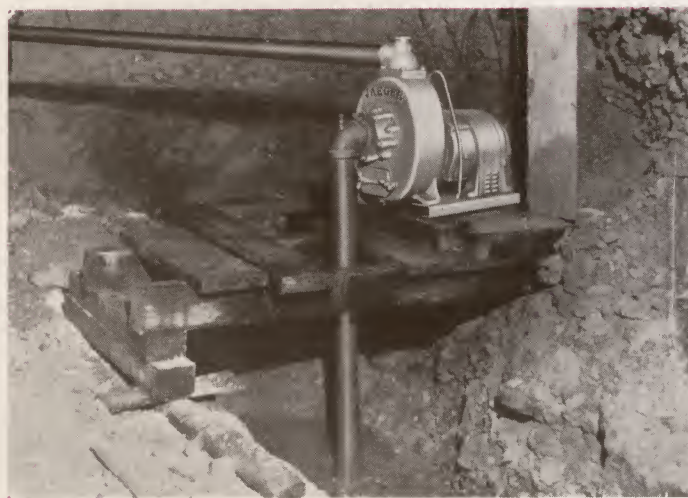
Model	Suction and Discharge	Motor HP	Motor RPM	Weight Lbs.
3XPE	3"	3	1750	300
3PE	3"	7½	1750	450
3P2E	3"	10	1750	575
4XPE	4"	15	1750	600
4PE	4"	20	1750	925

For complete dimensions, see following page

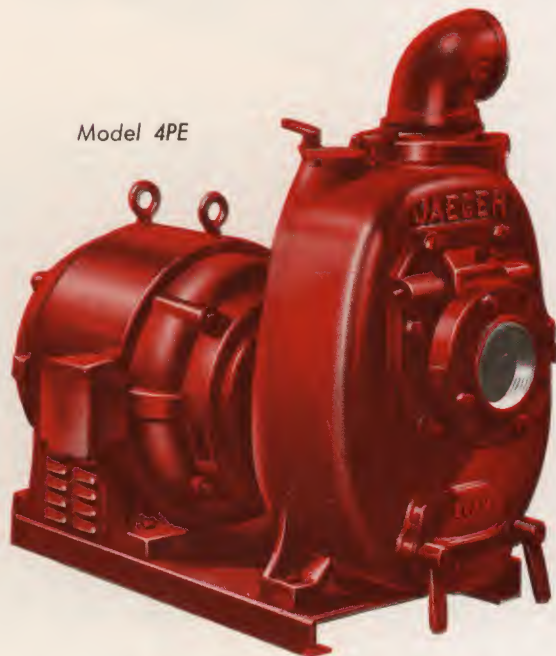


NOTE: Performance of long-coupled models 3XPE-L to 4PE-L is same as above with 1750 rpm motors.

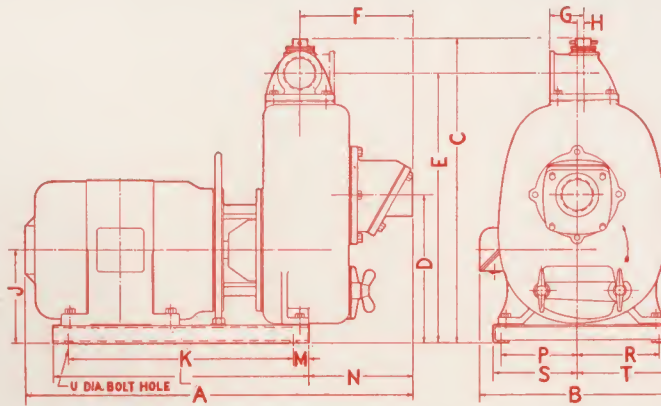
Model 3PE



Model 4PE



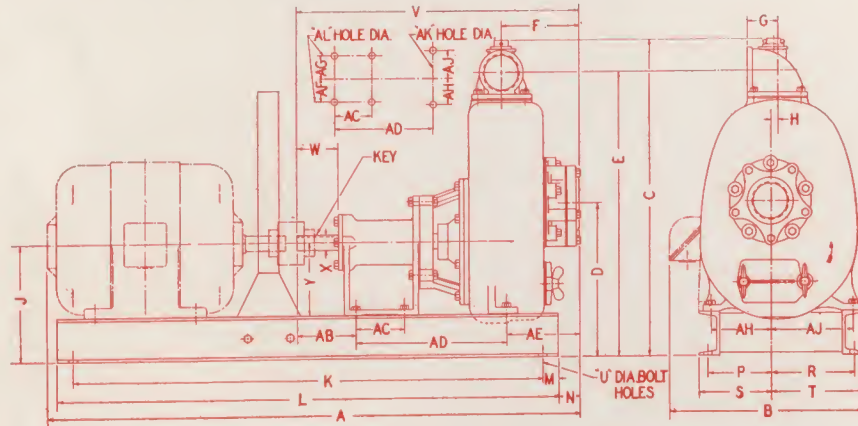
dimensions, JAEGER ELECTRIC DRIVEN PUMPS



CLOSE COUPLED MODELS

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U
1½PE	21¾	11¾	19¾	8¾	16¾	7¼	15½	7/16	5¾	—	17	—	2½	—	—	4½	4½	—
1½PE-1	21¾	11¾	19¾	8¾	16¾	7¼	15½	7/16	5¾	—	17	—	2½	—	—	4½	4½	—
2XPE	26½	13½	24	11¾	20½	9½	2¼	1	6¾	16¾	18	5/8	6½	3¼	3¼	4½	4½	17/32
2XPE-5	28½	14	23½	11¼	20½	9½	2¼	1	6¾	16½	17½	7/8	7½	4½	4½	5½	5½	17/32
2PE	29½	14	22½	10¾	19½	8½	2½	0	6¾	16¾	19	1½	7¾	5½	6/8	6¼	6¾	17/32
3XPE	29½	14	23½	10¾	20½	8½	2½	0	6¾	16¾	19	1½	8½	5½	6/8	6¼	6¾	17/32
3PE	33	17¾	27¾	12¾	24½	7½	2½	¾	8½	20¼	23¼	1½	5½	6	7¾	7	8¾	17/32
3P2E	35¾	20¼	28¾	13¾	25½	7½	2½	¾	9½	23	25¼	1½	5½	6½	7½	7½	8½	17/32
4XPE	37¼	20¼	31	13¾	26½	7½	3½	¾	9½	25½	27½	1	6	6½	7½	7½	8½	17/32
4PE	39½	21½	35½	16¾	32½	10¾	3¾	5/16	11½	27¾	29¼	¾	6½	7½	7½	8¾	8¾	9/16

NOTE: Dimension "A" includes suction companion flange on 3PE to 4PE inclusive.



LONG COUPLED MODELS

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
1½PE-L	31½	10¾	21½	9¼	18½	7¼	15½	7/16	6½	23	25	1	5	3	3	4½	4½
2XPE-L	36½	13½	24½	11½	20½	9½	2¼	1	7	27	29	1	7½	4	4	5½	5½
2PE-L	42½	14½	23½	12½	21½	8½	2½	0	8½	32¾	34	5/8	7½	5¼	5½	6½	6¾
3XPE-L	42½	14½	24½	12½	21½	8½	2½	0	8½	32¾	34	5/8	8½	5¼	5½	6½	6¾
3PE-L	50½	18½	29½	13¾	26	7½	2½	¾	10¼	38½	42	1¾	5½	5½	8	6½	8½
3P2E-L	53½	19½	29½	14½	26¾	7½	2½	¾	11	49	51	1	15½	6	7	7½	8½
4XPE-L	55½	19½	32	14½	27½	7½	3½	¾	11	49	51	1	15½	6	7	7½	8½
4PE-L	63½	23½	38½	19½	35½	10¾	3¾	5/16	14½	50	53½	1½	6½	9½	9½	11	11
6PE-L	78½	28½	46½	16½	42½	14½	5½	6½	15½	66	78	8	7½	13½	13½	14	14½
8PE-L	80¼	29½	48½	16½	43½	15½	6½	7	15½	66	78	8	1½	13½	13½	14	14½
10PE-L	92¾	29½	60	21½	52	21¼	11	6½	15½	74½	86	8	6¾	13½	13½	14½	14½

MODEL	U	V	W	X	Y	SQ. LGT.	AB	AC	AD	AE	AF	AG	AH	AJ	AK	AL
1½PE-L	17/32	17½	2½	¾	4½	¾	2½	4	2½	5½	7¼	2½	2½	2½	1½	13/32
2XPE-L	17/32	20½	2	1½	5	¼	1½	3½	—	6½	9½	3	2½	2½	13/32	17/32
2PE-L	17/32	24½	4	1½	5½	¼	3	7½	—	8½	8½	5¼	5½	5½	13/32	17/32
3XPE-L	17/32	24½	4	1½	5½	¼	3	7½	—	8½	8½	5¼	5½	5½	13/32	17/32
3PE-L	2½	26½	4	1½	7¼	¾	3	5½	4½	14½	6½	5½	7½	7½	17/32	17/32
3P2E-L	2½	26½	4	1½	8	¾	3	5½	4½	14½	6½	5½	7½	7½	17/32	17/32
4XPE-L	2½	27½	4	1½	8	¾	3	5½	4½	14½	7	5½	7½	7½	17/32	17/32
4PE-L	2½	33	5	1½	8½	¾	4	10½	—	13½	9½	9½	7½	7½	17/32	17/32
6PE-L	13/16	40½	6½	1½	9½	½	5	9½	—	18½	12½	13½	13½	11½	13½	13½
8PE-L	13/16	41½	6½	1½	9½	½	5	9½	—	18½	13½	13½	13½	11½	13½	13½
10PE-L	13/16	49½	6½	1½	9½	½	5	9½	—	20	19¾	13½	13½	11½	13½	13½

NOTE: (1) Dimension "C" includes screwed elbow 4PE-L, 6PE-L and 8PE-L.

(2) Dimension "C" includes flanged elbow 10PE-L.

6", 8" and 10" ELECTRIC PUMPS

Jaeger Models 6PE-L25, 8PE-L40, 10PE-L40

Slow speed, long life pumps — full rated performance at only 1150 rpm. Built for big volume, heavy duty pumping.

Because they have the bigger impellers and bigger, heavier shells needed to do easily at 1150 rpm what other pumps find hard to do at 1750 rpm, these 6", 8" and 10" Jaeger pumps far outlast lighter, cheaper-built units of the same rating — hold records of 11 years of constant service. Big shells hold more priming water also, to prime long suction lines or well points without overheating of priming water and resultant vapor-lock.

Performance characteristics of these three sizes are similar except for capacity. (See Performance Curve below).

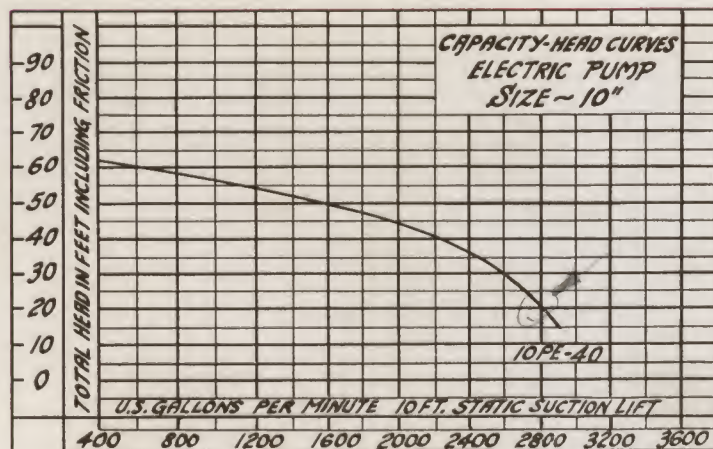
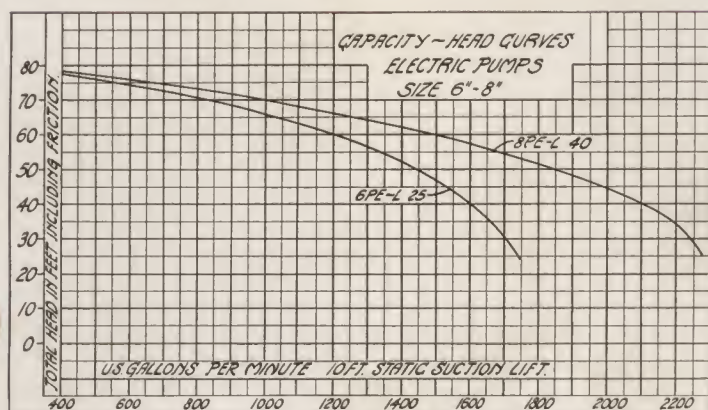
Fast, doubly-sure priming and ability to hold prime indefinitely are special advantages. Pump shaft is carried on massive ball bearing center support providing for radial and end thrust. Heavy duty positively lubricated Lubri-Seal, impellers adjustable for wear, and replaceable liner plates.

For quotation, supply current characteristics and full job details covering height above water at which pump will work, length of suction line, discharge head and approximate water volume required.

specifications

Model	Suction and Discharge	Motor HP	Motor RPM	Weight Lbs.
6PE-L25	6"	25	1150	1900
8PE-L40	8"	40	1150	2000
10PE-L40	10"	40	1150	2220

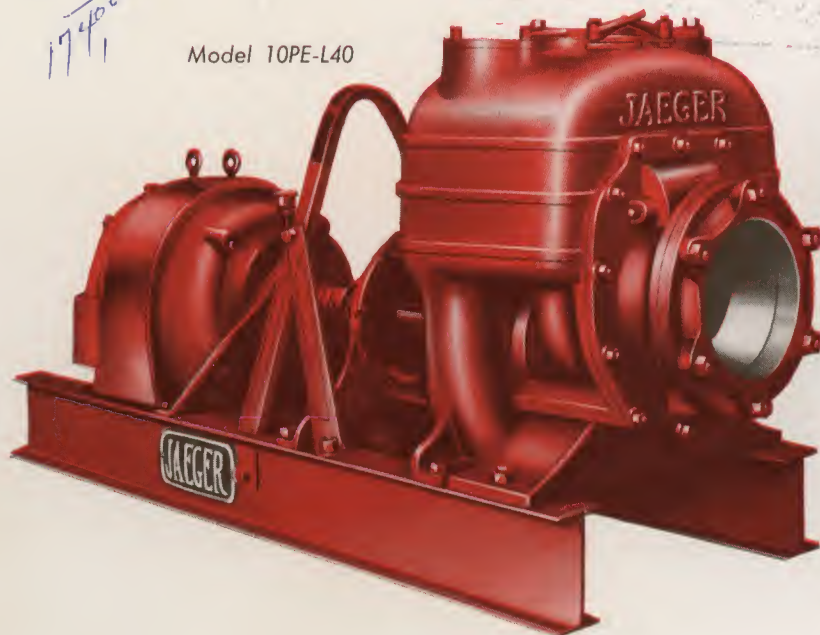
For complete dimensions, see preceding page



Model 8PE-L40



Model 10PE-L40



2900
174000

Self-priming caisson pumps

For pier holes, narrow caissons and tunnels

Patented

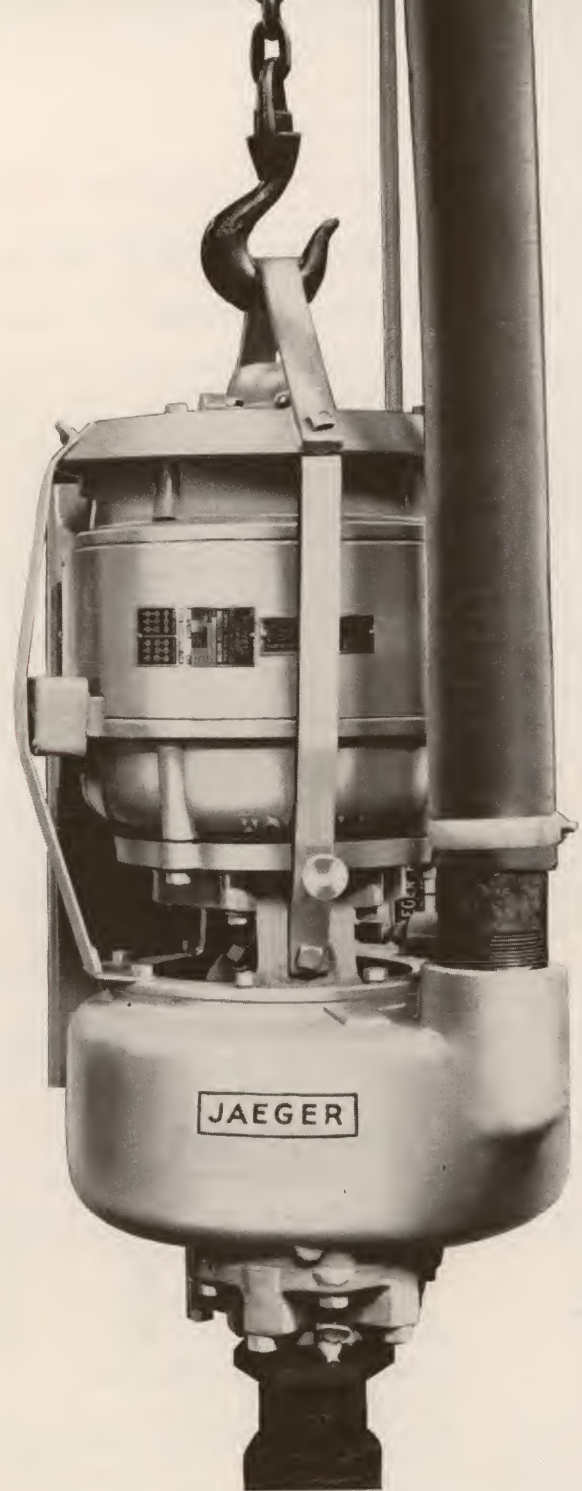
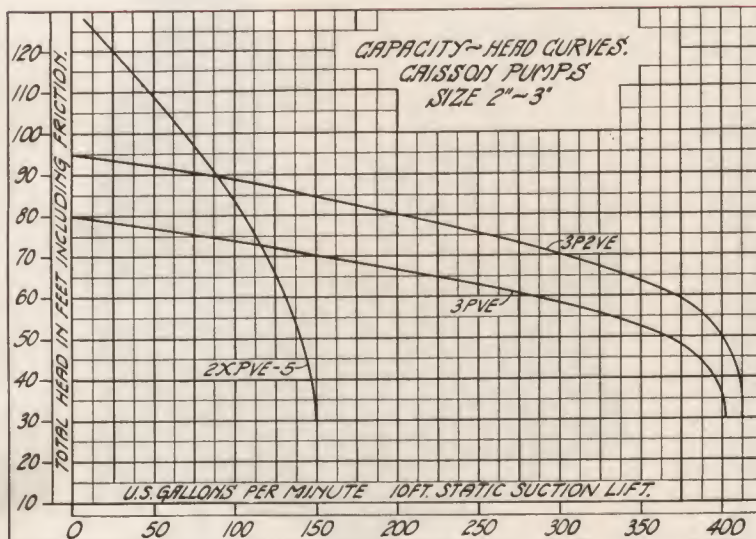
This type of pump provides a more practical and convenient means of draining pier holes and narrow caissons. Pump is suspended vertically by cable or tackle at a little more than a man's height above bottom of pier hole. As a sump is dug, first on one side then the other, in sinking the excavation, workman swings the suction hose from one sump to the other, continually draining the pit. No need to move the entire pump and suspension line as well as bucket line as is necessary with submerged pumps — speeds digging and requires less attention from surface attendant. Jaeger double priming action insures fast, sure priming. Holds prime while suction line is being moved.

Small diameter of these pumps permits convenient use in narrowest shafts. All models can be lowered through 28" opening.

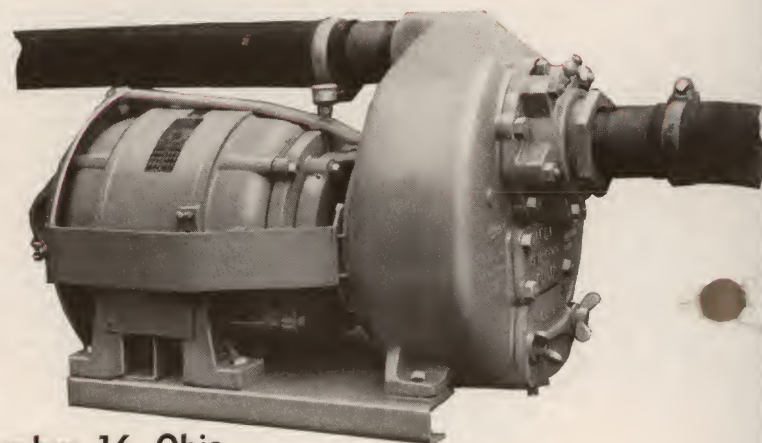
Impellers are of mild steel, carburized and specially heat treated. The result is a surface that is extremely hard and wear-resisting — so hard that it cannot be machined but must be ground to final finish — retaining a mild steel center for great toughness. Shells are equipped with renewable liners.

specifications

Model	Suct. and Disch.	Motor		Dimensions in vertical position			Weight Lbs.
		HP	RPM	Height	Width	Depth	
2XPVE-5	2"	5	3450	34"	14"	18"	260
3PVE	3"	7 1/2	1750	44"	20"	24"	450
3P2VE	3"	10	1750	44"	20"	24"	650



Pump operates in vertical or horizontal position



THE JAEGER MACHINE COMPANY, Columbus 16, Ohio

Jaeger Machine Company of Canada, Ltd., St. Thomas, Ontario

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Sales, Rentals and Service in More than 250 Cities of U.S. and Canada and Principal Countries of the World

JEP-HEER-15M-7-57-PRINTED IN U.S.A.

Self-priming caisson pumps

For pier holes, narrow caissons and tunnels

Patented

This type means of suspended man's height on one side man swing continually down and suspended submerged from surface fast, sure pump

Small diameter narrowest section

Impellers are The result — so hard final finish Shells are

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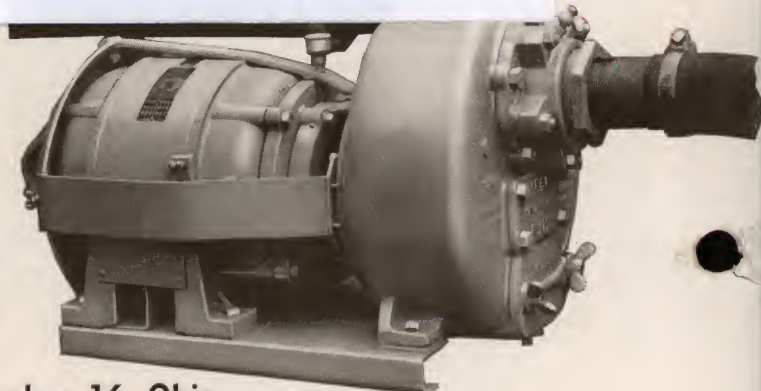
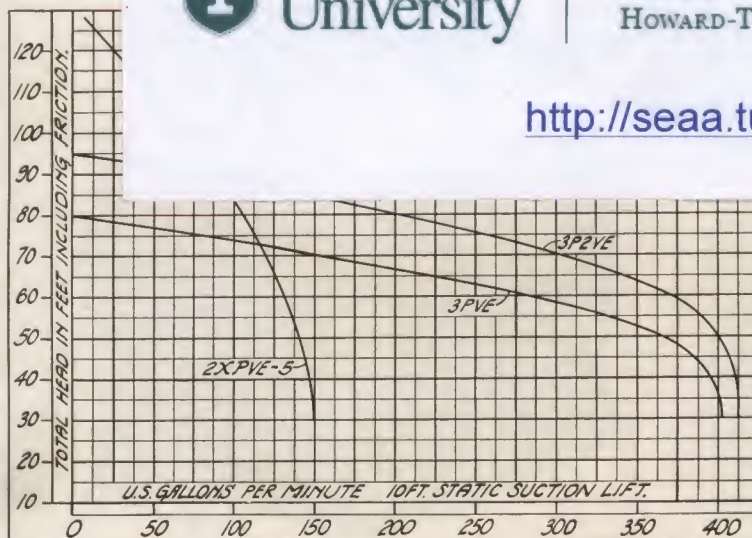
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